

## **Permeability prediction using hybrid neural network modelling**

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### **Abstract**

This paper presents a method for predicting permeability as one of the most important parameters in well logging. The method is based on the use of a hybrid neural network model consisting of several computational and one clustering neural networks. This approach to permeability prediction for wells that are not involved in neural network training has been shown to ensure a high correlation with permeabilities determined by core analysis.

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